Snap Aid: Home Service Provider

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ABSTRACT

The proposed service provider app changes the way user's access necessary home services by connecting them with local professionals, such as electricians, plumbers, and carpenters. In today's fast-paced world, people often struggle to find reliable service providers, which create inefficiencies and frustration. This app solves these problems by providing a user-friendly platform that simplifies the process of searching, booking, and managing appointments with qualified service professionals nearby. The app includes key functionalities designed to enhance both user experience and provider efficiency. Users register accounts, browse various service categories, and utilize advanced search and filter options to find providers based on location, availability, and pricing. The app facilitates seamless booking and scheduling, including options for emergency services, while integrating secure payment processing for convenience. Additionally, a robust rating and feedback system ensures accountability, and membership programs provide users with discounts and exclusive benefits. Ultimately, the app creates a reliable, efficient solution for accessing essential services, benefiting both users and service providers alike.
Keywords- Service Provider, Verification, Services, Repair and Maintenance, Booking, Django Framework

INTRODUCTION

It is not very convenient to get dependable people for doing small but so important household chores. The internet house service system is an easy and convenient method of home work with efficiency and care.

Our system, as I propose here, offers all types of services and is a marketplace at regular prices without haggling. It offers all types of painting, pest control, house cleaning, plumbing, electrical work, and carpentry work to provide an environment that makes our users extremely happy and healthy.

It is hard to obtain dependable individuals who do little but so important household work. The online domestic service mechanism offers a simple and convenient manner of performing domestic works.

Our system, as presented here, is a platform for all kinds of services at fixed prices; therefore, there is no negotiation. It encompasses all painting, pest control, house cleaning, plumbing, electrical, and carpentry jobs we do to provide an atmosphere of happiness and health to our users..

REVIEW OF LITERATURE

Study of Existing System

There is already a system by the name "Facility Kart" which is a mobile application, almost the same as the application "Urban-Company".

Services offered

This service this application provides includes:
Home cleaning, laundry services, driver on demand services, carpet cleaning services, sofa cleaning services, pest control services, electrical services, plumbing services, AC services, carpentry service, Car Spa, PC & Laptop Repair, Refrigerator/ Microwave/Washing Machine Services, and home painting.

Findings from Literature Review

Since we are shifting to a new city and our services are different but we do not have any idea about the

services that are available nearby. So with the help of "Snap Aid," it becomes quite simple to get all house-related services at one place. This web-application can provide users, who make use of this web- application to search services which may be available near their location. This facility may be used by the user in case if the user wants the service request to be done elsewhere than the present location of himself location. This can be possible only after merging the maps to this application. Other useful additions can be made by giving more types of services to the user. Finally, but most importantly providing employment to service providers.

PROPOSED SYSTEM

Home repair and maintenance is currently one of the fastest-emerging industries, nowadays everyone needs urgent services and there is an urgent need for a platform connecting homeowners with reliable and affordable service providers promptly and efficiently. However, while there are several apps available in the market that offer similar services, there is no transparency regarding service quality and pricing, making it challenging for a user to make an informed decision. Further, an overall solution that can track every little detail in the repair and maintenance process, starting from scheduling to tracking up to payment, should be developed. Also provides with a platform for the service providers an employment. The findings of this research will provide insight on the effectiveness of the Fixify mobile application in providing solutions to homeowners seeking repair and maintenance services.

Advantages

1. Convenience: Multiple services can be accessed at one place, anytime, anywhere.
2. Saves Time: Reduces the effort of searching for reliable service providers.
3. Wide Range of Services: One place for all home and professional services.
4. Quality Improved: User reviews and ratings help ensure high standards of service
5. Geolocation Feature: Connects users quickly with nearby service providers for fast response times.
6. Secure Payments: Provides safe and hassle-free online payment options.
7. Job Opportunities: It creates jobs for local service providers and raises their profile.
8. Personalized Experience: Provides services according to user preference and history.
9. Emergency Support: Avails urgent services when needed very quickly.
10. Cost-Effective: Users are allowed to compare prices and settle for the best.

PROJECT SCOPE

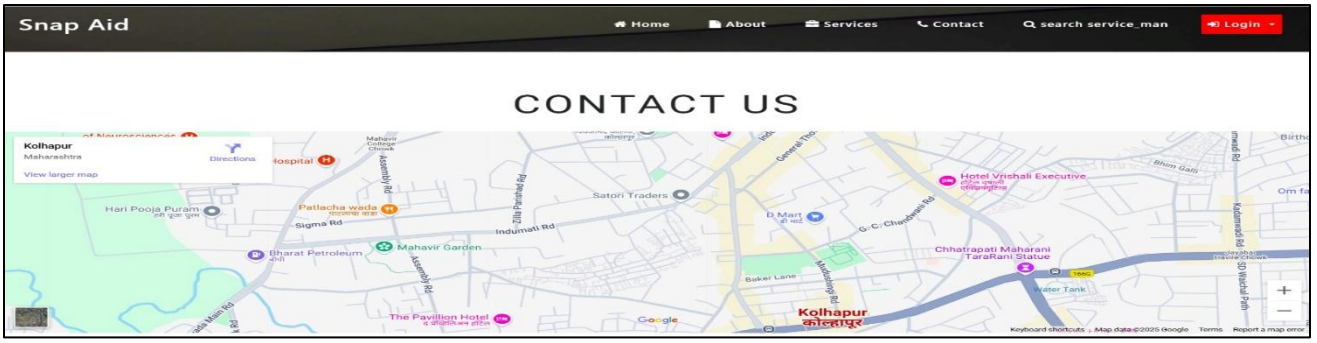
Currently, home repair and maintenance is one of the most emerging industries, and there is a pressing need for an online platform that connects reliable and affordable service providers to homeowners promptly and efficiently. However, while there are numerous apps in the market that offer similar services, there is no transparency regarding the quality of service and price, which makes it difficult for a user to make an informed decision. Further, there should be an overall solution that can track every little detail in the repair and maintenance process, starting from scheduling up to payment. In that regard, this research paper attempts to assess to what extent the Fixity mobile application addresses the needs of putting an end to such problems while improving the user experience for homeowners who are looking forward to seeking repair and maintenance services. This, in turn, provides with an employment a platform to the service providers. The results of this study will highlight the success of the Fixify mobile application in helping the homeowners find solutions to their repair and maintenance service needs.

The Objective of the Proposed System

1. Provides platform and employment: Our application is to be a bridge between those who have needs, and those who can fulfill them.

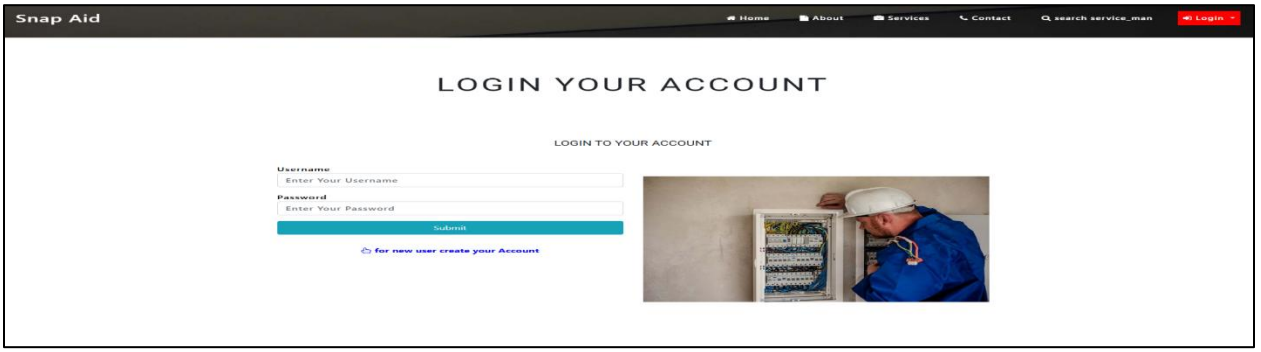
2. Saves Time: This is the core motive of this project. The on-demand home service app knows what their users want. Hence, they provide services as fast as possible and according to the choice of the users.

3. Offers high quality services: These apps provide a well-experienced technical person that can solve problems of the clients or users very easily.

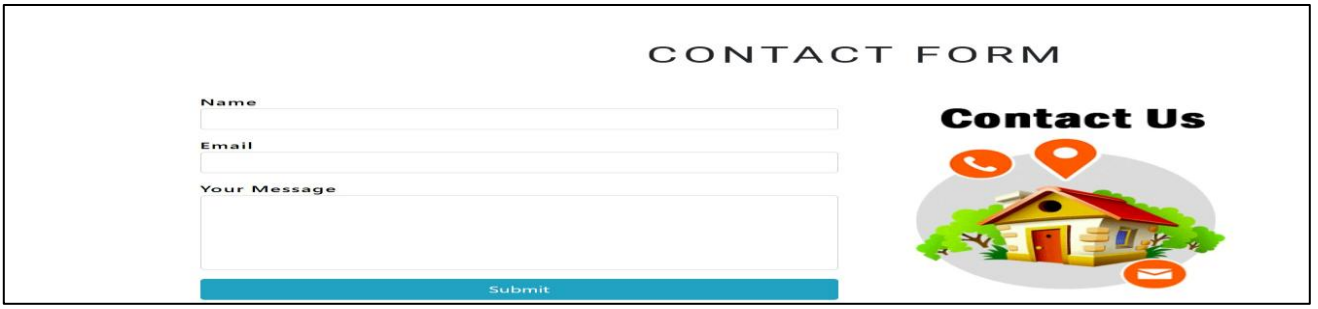


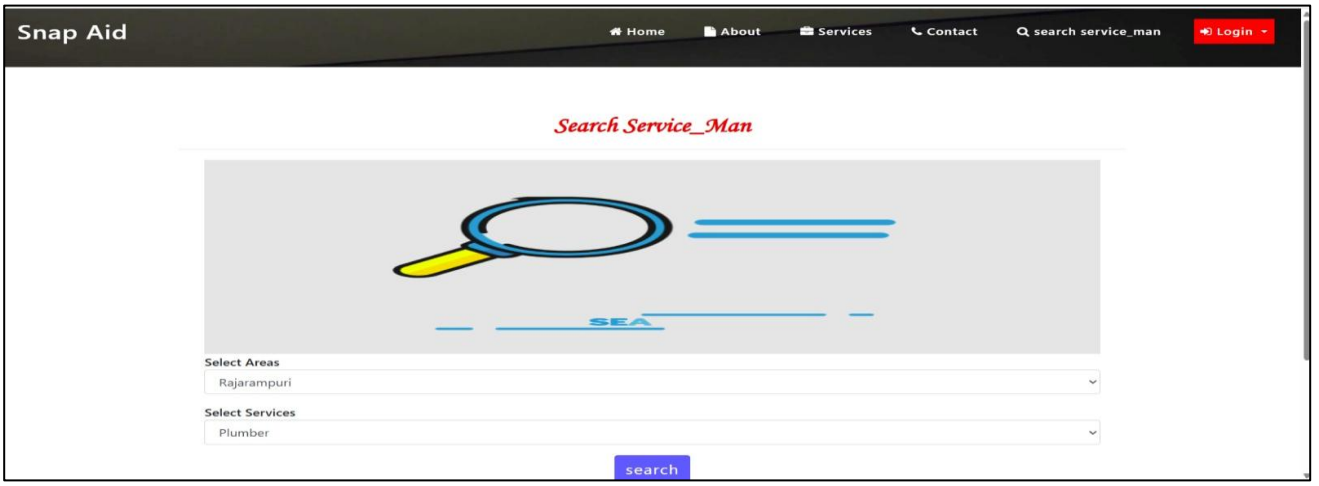
Snapshots

- Here we can login to your account or create new account if don't have one.

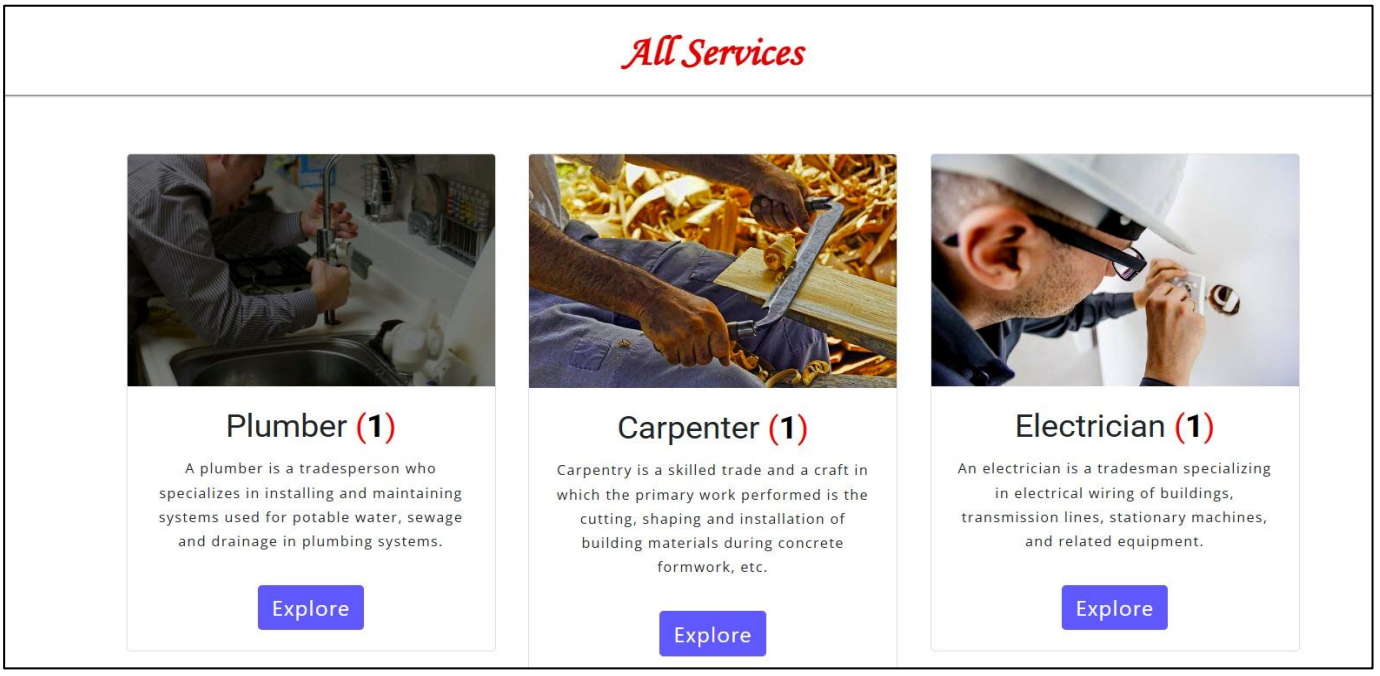


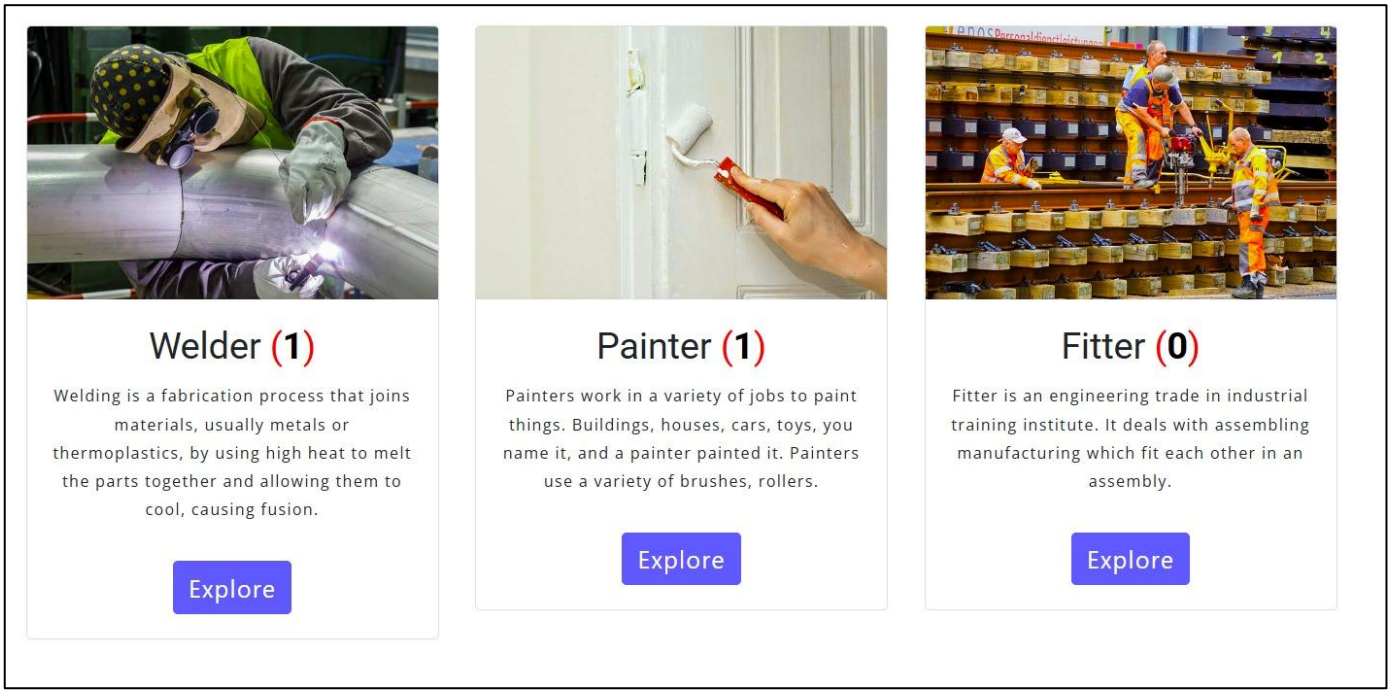
- This is search bar in this we can search for various for service man in our nearby locations.



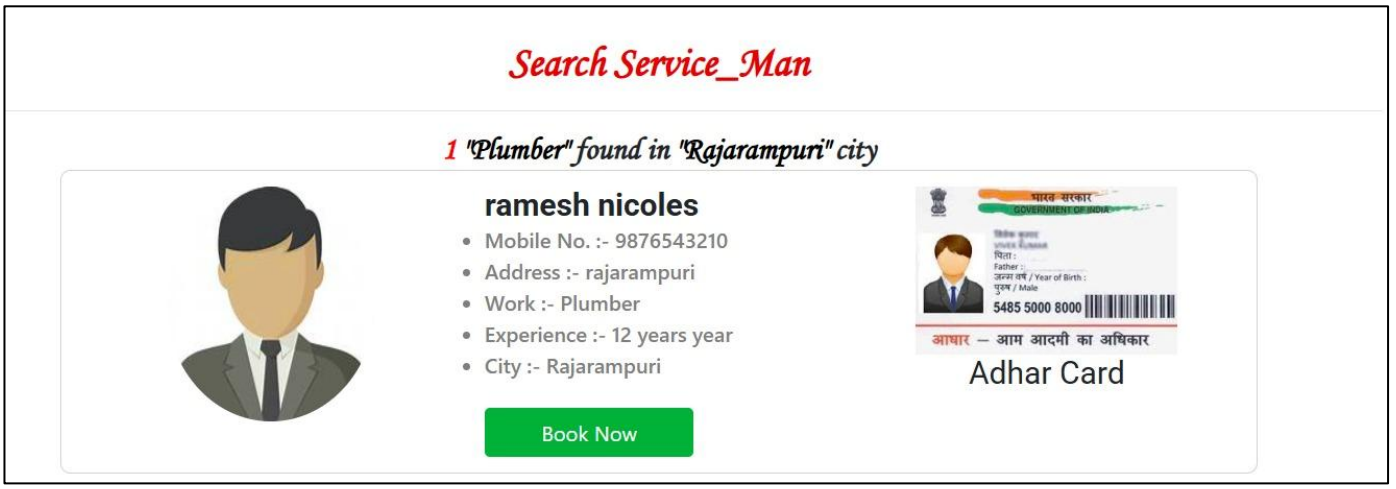


- Through contact us page you can do contact with us or can fill below form. You can find nearby location services through it.

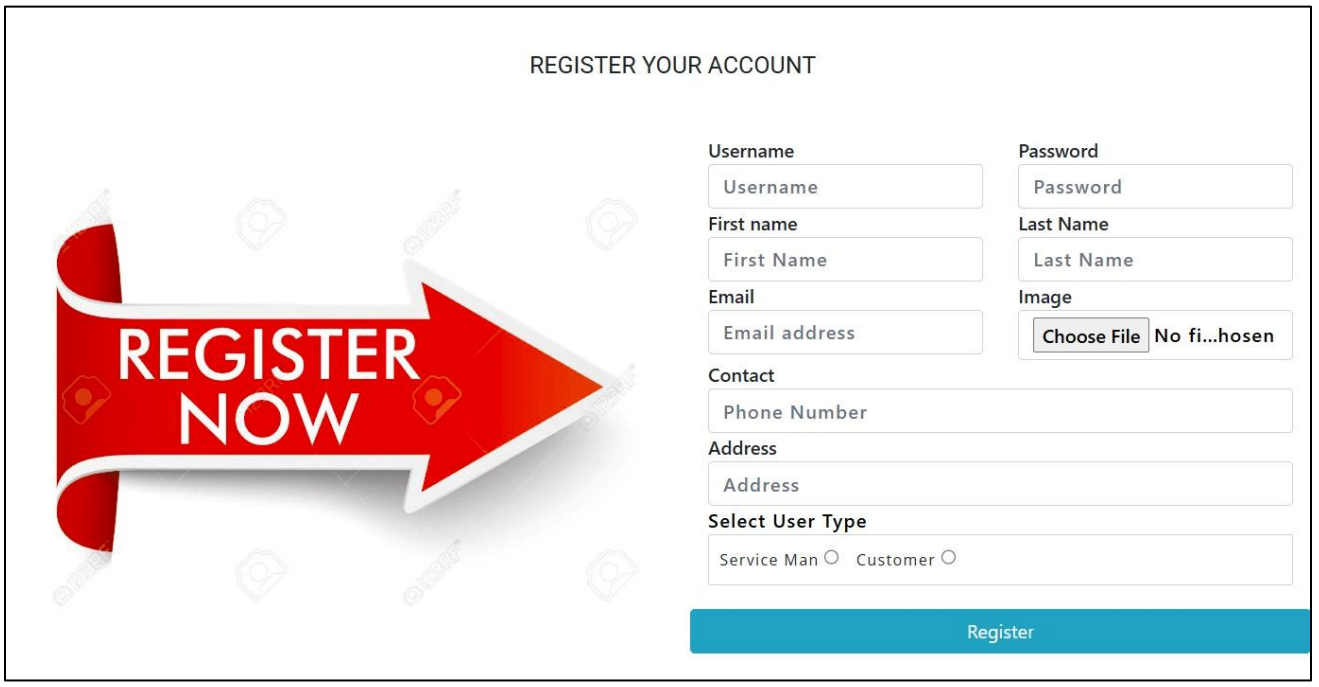




- You can contact us via above form by just simply sending message to us

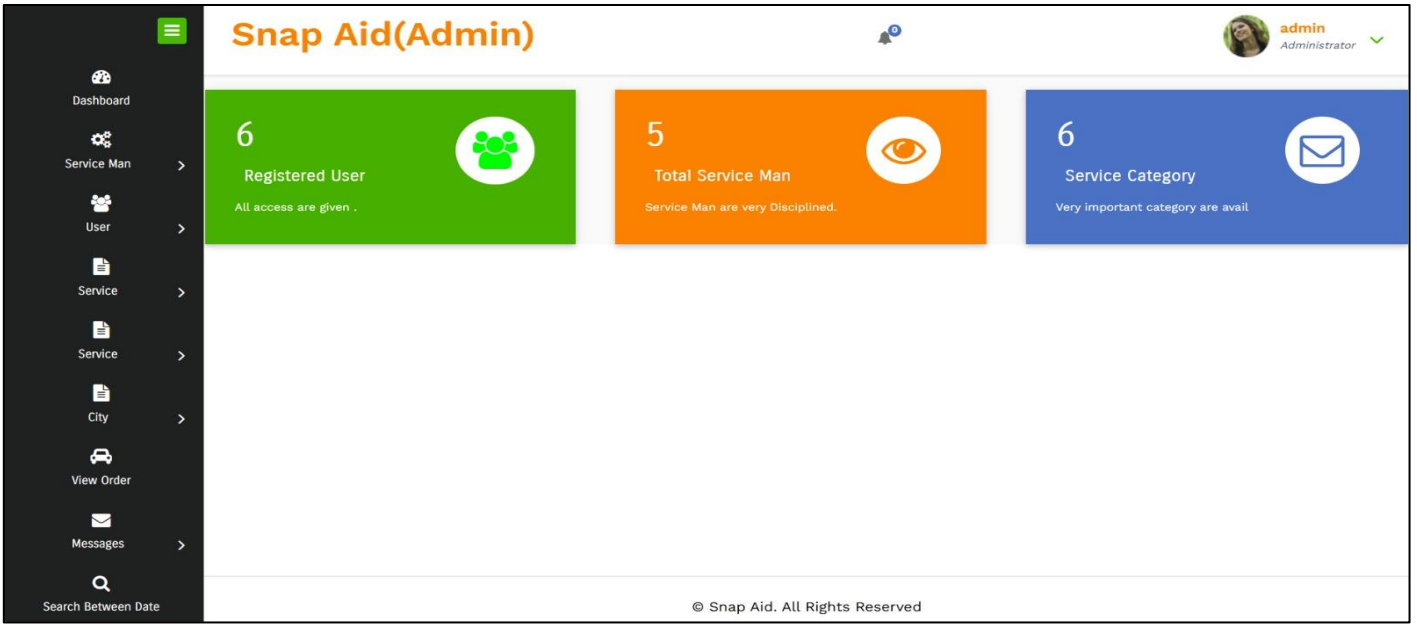


- In services section we have various services like Plumber, Carpenter, Electrician, Welder, Painter and Fitter.

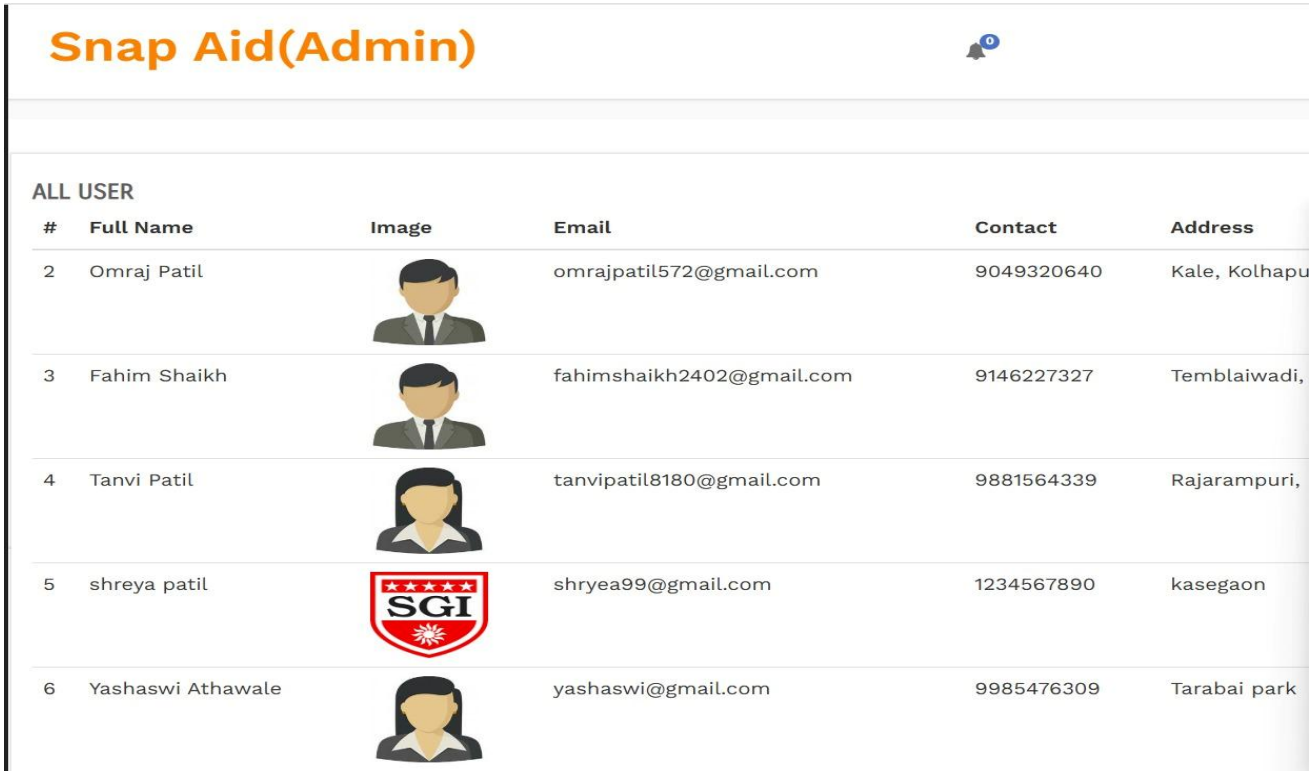


Here we can book service men as per our location and requirements. We can also contact them using direct mobile number for further details only.

- Here you can register as a new user by providing required details.



- This is admin registration page. In this we can view various backend data like registered service men, booked services, cities, orders, messages etc.



As shown above this is backend data of all customers who wants services from various service men.

Development

- ***MySQL:*** MySQL is respected as the world's most generally utilized ASCII storehouse data back- end its most sure data for PHP as php-MySQL is most oftentimes utilized ascii record sorting data attempt the UI that wamp lamp and xampp laborers offer for MySQL is awesome and brings down our work to a gigantic level.
- ***Python:*** Python could also be another adopted item that is the basic level language with dynamic derivation its simple level in-created information structures along with unique organization and dynamic restricting sort it outrageously interesting for quick application advancement.
- ***Django:*** Django follows the Model-View- Template architecture that will help separate the application's logic, user interface, and data management. Projects that heavily require back-end drive go for content management systems, e-commerce websites, and social networks.

Software Requirements

- ***Operating System:*** WINDOWS 7 OR HIGHER
- ***Front-End Languages:*** HTML, CSS, JavaScript, Bootstrap
- ***Back-End Languages:*** Python, Django
- ***Data Server:*** MySQL
- ***Code Editor:*** Notepad, VS Code, Command Prompt

Hardware Configurations

- ***Windows:*** 2 GB RAM minimum, 4 GB RAM recommended, 1280 x 800 minimum screen resolutions.
- ***Screen Resolution:*** 1280 x 800 minimum.
- ***Processor Support:*** Intel processor with support for Intel VT-x, Intel EM64T (Intel 64) Execute Disable (XD) Bit functionality.

FLOW DIAGRAMS

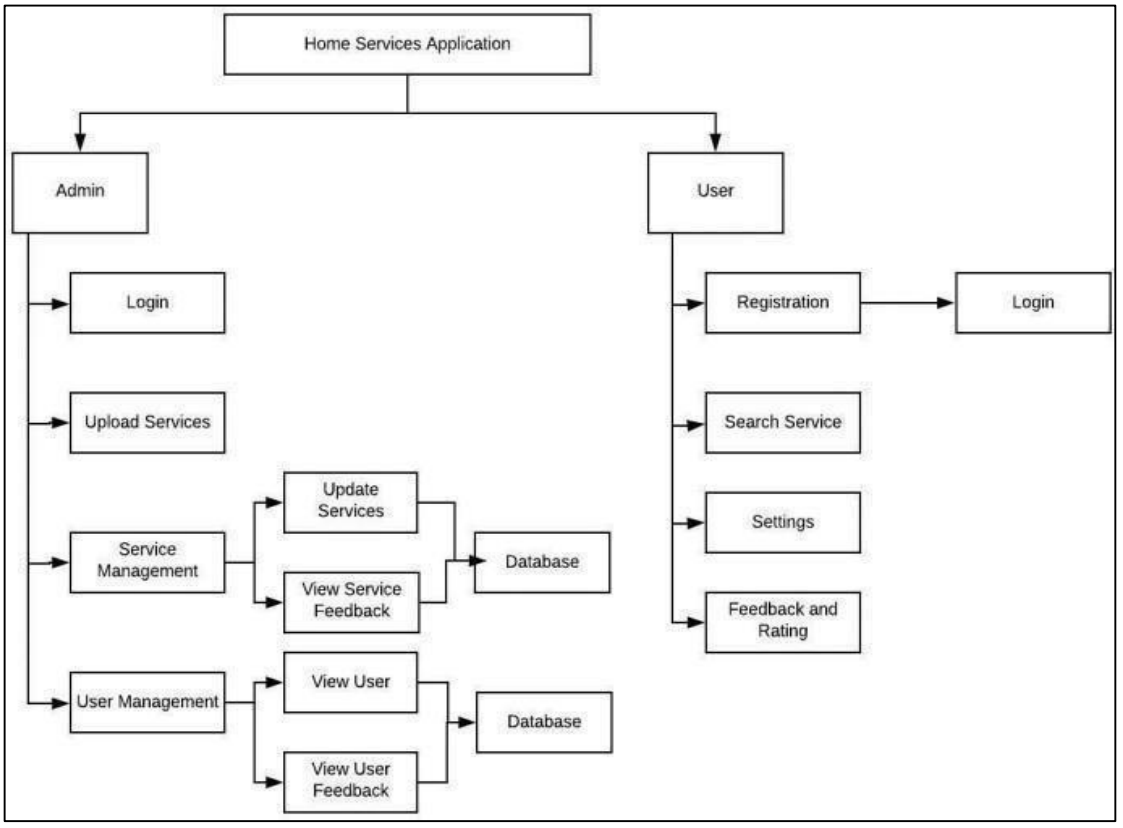


Figure 1: *Flowchart.*

The flow diagram is the general description of an architecture for a "Home Services Application" with two main modules: Admin and User. Under the Admin module, logging in, uploading, updating, and managing services are allowed. It also has tools for service feedback, management of user accounts, and viewing user feedback. All of these operations interact with the database of an application to store and retrieve appropriate information.
The User module is where the user will register, login, and even search for services. They can go into the settings for their preferences and rate or comment on the services they used. The same feedback is stored in the database for later reference by the admins. Diagrammatically, this relation between all sorts of user roles and a core functionality of the system with a feedback loop from the engagement of both users and admins:

SYSTEM ARCHITECTURE

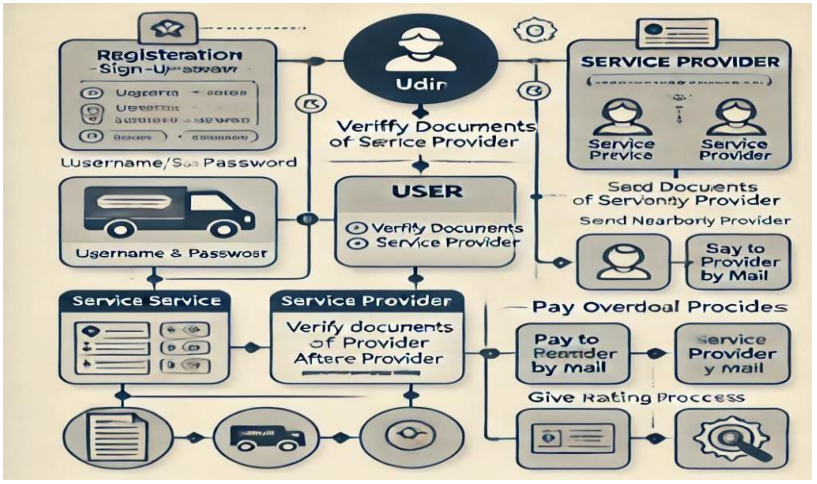


Figure 2*.System Architecture*

The service application architecture will discuss how the Admin, the User, and the Service Provider interact with it. Under this role, documents are verified by the Admin from both users and providers. After verification of their document, users can choose services requested, and providers can offer what services are available.
The backend of the application coordinates data flow between all the roles regarding interactivity, storing and retrieving information, through a database layer. Therefore, it is safe and secured verification while offering proper management of service and proper communication between users and providers.

CONCLUSION

The online housekeeping services application provides a complete all-in-one type platform for many of those most often sought after at-home services like house painting, cleaning, plumbing, and packers and movers. In general, the system will be very flexible; thus, it will very easily adapt to changing needs so that it will be capable of scaling to meet demands and new requirements in the future. This can stretch further its scalability to be able to offer services across the globe hence developing a universal solution. A practical infrastructure for the application enables it to keep on adding more services depending on the ever-growing demand. The services include demands by the users such as mobile and computer repair, laundry services, catering among other customized household wants. A payment gateway flexibility in the system with probable new additions provides functionality that is responsive to diversified household needs, allowing for future adjustments in need; this makes the application a long-term, dynamic solution in a growing home services market.

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